

DECLASSIFIED

4/14/16

Date: Initial: *jl*

**** CONFIDENTIAL ****

**** PRE-DECISIONAL DOCUMENT ****

**** SUMMARY SCORESHEET ****

**** FOR COMPUTING PROJECTED HRS SCORE ****

**** Do Not Cite or Quote ****

Site Name: Samoset Laundry

Region: 2

City, County, State: Plainfield NJ

Evaluator: Kimberly Ward

EPA ID#: none

Date: 12/3/2008

Lat/Long: 40.37.42/74.24.23

T/R/S: Plainfield

Congressional District:

This Scoresheet is for: PA

Scenario Name: PA/PSA

Description: Samoset Laundry operated a dry cleaning business at 902 North Avenue in Plainfield, NJ since until Fall 1983. NJDEP site inspections and sampling of soil and GW on the site have identified chlorinated compounds such as PCE and TCE above NJDEP cleanup criteria. The closest public supply well is located approx. 0.5-mile from the Samoset facility and has historically been impacted by PCE and TCE in its water supply.

	S pathway	S ² pathway
Ground Water Migration Pathway Score (S _{gw})	100	10000
Surface Water Migration Pathway Score (S _{sw})		
Soil Exposure Pathway Score (S _s)		
Air Migration Score (S _a)		
$S_{gw}^2 + S_{sw}^2 + S_s^2 + S_a^2$		10000
$(S_{gw}^2 + S_{sw}^2 + S_s^2 + S_a^2)/4$		2500
$\sqrt{(S_{gw}^2 + S_{sw}^2 + S_s^2 + S_a^2)/4}$		50

* Pathways not assigned a score (explain):



TABLE 3-1 --GROUND WATER MIGRATION PATHWAY SCORESHEET

Factor categories and factors	Maximum Value	Value Assigned
Aquifer Evaluated: New Brunswick Aquifer		
Likelihood of Release to an Aquifer:		
1. Observed Release	550	550
2. Potential to Release:		
2a. Containment	10	10
2b. Net Precipitation	10	6
2c. Depth to Aquifer	5	3
2d. Travel Time	35	35
2e. Potential to Release [(lines 2a(2b + 2c + 2d)]	500	440
3. Likelihood of Release (higher of lines 1 and 2e)	550	550
Waste Characteristics:		
4. Toxicity/Mobility	(a)	10000
5. Hazardous Waste Quantity	(a)	10
6. Waste Characteristics	100	18
Targets:		
7. Nearest Well	(b)	50
8. Population:		
8a. Level I Concentrations	(b)	56692
8b. Level II Concentrations	(b)	
8c. Potential Contamination	(b)	1556
8d. Population (lines 8a + 8b + 8c)	(b)	58248
9. Resources	5	0
10. Wellhead Protection Area	20	20
11. Targets (lines 7 + 8d + 9 + 10)	(b)	58318
Ground Water Migration Score for an Aquifer:		
12. Aquifer Score [(lines 3 x 6 x 11)/82,5000] ^c	100	100
Ground Water Migration Pathway Score:		
13. Pathway Score (S_{gw}), (highest value from line 12 for all aquifers evaluated) ^c	100	100

^a Maximum value applies to waste characteristics category^b Maximum value not applicable^c Do not round to nearest integer